

SLICE MSDS

PORSF
11.3.125.1v1 10/01/84

Issue Date: October 1984

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health AdministrationForm Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29.CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Arcair Co.	EMERGENCY TELEPHONE NO. (614) 653-5618
ADDRESS (Number, Street, City, State, and ZIP Code) Rt 33, North Memorial Drive, Lancaster, Ohio 43130	
CHEMICAL NAME AND SYNONYMS Flux coated mild steel Bundy tubing	TRADE NAME AND SYNONYMS Slice Cutting Rod
CHEMICAL FAMILY Metal oxides coated on steel	FORMULA Mixture of Metaloxides on Iron

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Unit)	ALLOYS AND METALLIC COATINGS	%	TLV (Unit)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		

When placed into service, an electric arc is created as in welding generating intense heat, ultraviolet (U.V.) rays, fumes and gases. The cutting arc is intense and visibly bright. Its radiation can damage eyes, penetrate lightweight clothing and burn the skin and eyes. Cutting may produce harmful accumulations of toxic fumes. Note: SLICE rods are not to be used for underwater applications - see Sea-Jet™ underwater electrodes.

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	N/A
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____=1)	N/A
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR	Coated, tubular rod		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Shinn's test) Cutting arc and sparks can ignite combustibles	FLAMMABLE LIMITS	LM	UM
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES Refer to American National Standard Z49.1 for fire prevention and protection information during cutting operations.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Do not cut in areas where combustibles are located. Cutting empty containers that held combustibles may cause an explosion.			



SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Airborne concentration limits may be exceeded when lead-, cadmium- and beryllium-bearing materials are cut

AFFECTS OF OVEREXPOSURE
Exposure to fumes may cause dryness and irritation in the throat followed by coughing, shortness of breath, fever and chills

EMERGENCY AND FIRST AID PROCEDURES
Remove person to fresh air and seek medical attention.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Combustibles			
HAZARDOUS DECOMPOSITION PRODUCTS Fumes generated during cutting may contain a variety of hazardous components			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
N/A
WASTE DISPOSAL METHOD
Sanitary landfill

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) When cutting lead-, cadmium-, zinc-, mercury-, and beryllium-bearing material		
VENTILATION	LOCAL EXHAUST When cutting coated metals	SPECIAL
	MECHANICAL (General) Required to prevent accumulation of fumes	OTHER
PROTECTIVE GLOVES Leather, flameproof		EYE PROTECTION Welding helmet & shield with filter shade no. 9
OTHER PROTECTIVE EQUIPMENT Long-sleeve clothing, hat, safety shoes and if necessary a flame-proof apron		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
CUTTING WARNINGS! CAUTION! ARC RAYS CAN INJURE EYES. FUMES MAY BE HAZARDOUS TO YOUR HEALTH. Avoid breathing fumes (smoke). Use only in ventilated areas

OTHER PRECAUTIONS
See American National Standard Z49.1, "Safety in Welding and Cutting"

Material Safety Data Sheet is furnished without charge to responsible persons who use it at their discretion and risk. Although the information and suggestions contained herein have been compiled from sources believed to be reliable, there is no warranty of any kind, express or implied, as to the completeness or accuracy thereof.